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	ם	ocument	ID	Issue Date	Pages	Title
1	US	6249672	В1	20010619	8	Portable telephone
2	US	6249256	В1	20010619	77	Radiation shielding and range extending antenna assembly
3	us	6243447	В1	20010605	18	Self-service checkout system utilizing portable communications terminal
4	us	6239754	В1	20010529	14	Automatic retractable antenna system in portable phone
5	US	6232937	В1	20010515	67	Low power active display system
6	US	6226501	B1	20010501	10	Radiotelephone having a primary keypad and a movable flip cover that contains a secondary
7	US	6223060	в1	20010424	14	keypad Voice message recorder and limited range transmitter for use with
8	us	6208874	B1	20010327	22	telephones Telephone assembly with automatic antenna adjustment
9	US	6195839	В1	20010306	33	Hinged detent
10	US	6181954	B1	20010130	47	Method and apparatus for image capture, compression and transmission of a visual image over telephonic or radio transmission system
11	us	6178388	В1	20010123	5	Method and apparatus for calibrating a resistive ladder switching matrix
12	บร	6158341	A	20001212	16	Method for transferring a picture to a surface
13	บร	6157717	A	20001205	11	Snap hinge mechanism for flip style portable phone
14	บร	6148079	A	20001114	8	Hinge apparatus for flip style portable phone

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	Document ID	Issue Date	Pages	Title
63		19971212		Mobile phone with flip mechanism - has main function keys exposed
	JP 09321839 A			outside whose operations are altered based on open/close state of
64	US 5832079 A	19981103	5	flip mechanism Acoustic horn for cellular flip phone - is formed as interior cavity of
				planar pivotable element covering keypad

	Current OR	Current XRef
1	455/90	455/550 ; 455/575 ; D14/137 ; D14/138
2	343/702	343/841
3	379/93.12	379/110.01
4	13/13/707	343/766 ; 343/901
5	345/87	345/100 ; 345/95 ; 345/96
6	455/90	341/22 ; 455/575
7	455/569	455/345 ; 455/557
8	455/550	455/575 ; 455/90
9	16/334	16/328 ; 16/329 ; 400/489 ; 400/682
10	455/557	455/566
11	702/107	341/22
12	101/170	101/35 ; 101/483
13	379/433.13	
14	379/433.13	

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	Docume	ent	ID	Issue Date	Pages	Title
15	US 61476	549	A	20001114	6	Directive antenna for mobile telephones
16	US 61378	383	A	20001024	19	Telephone set having a microphone for receiving an acoustic signal via
17	US 61355	582	A	20001024	10	keypad Communication device housing interconnect
18	us 61311	121	A	20001010	50	Point-to-point computer network communication utility utilizing
						dynamically assigned network protocol addresses
19	US 61120)77 .	A	20000829	9	Nonreusable cellular telephone
20	US 60958	320 .	A	20000801	76	Radiation shielding and range extending antenna assembly
21	US 60946	542 .	A	20000725	22	Integrated data collection and transmission system and method of
22	US 60850)78 .	A	20000704	7	tracking package data Vehicular audio system incorporating detachable cellular telephone
23	US 60730	006	A	20000606	14	Method and apparatus for detecting and preventing fraud in a satellite
		••••••••••••				communication system
24	US 60730	34 2	A	20000606	54	Wireless telephone display system

	Current OR	Current XRef
15	343/700MS	343/702
16	379/433.07	
17	312/223.1	
18	709/227	
19		379/111 ; 455/343 ; 455/409 ; 455/410 ; 455/565
20	343/702	343/790 ; 343/791 ; 343/818 ; 343/819 ; 343/841 ; 455/575 ; 455/90
21	705/28	235/385 ; 235/435 ; 340/825.49
22	455/345	455/90
23	455/410	455/427 ; 455/428
24	455/566	345/102 ; 345/103 ; 379/428 ; 379/433 ; 379/433.04 ; 455/556 ; 455/557 ; 455/575 ; 455/90

	Document	ID	Issue Date	Pages	Title
25	US 6058298	A	20000502	7	Vehicular audio system incorporating detachable cellular telephone
26	US 6052464	Α	20000418	20	Telephone set having a microphone for receiving or an earpiece for generating an acoustic signal via a keypad
27	US 6052603	A	20000418	22	System for interfacing a communication device with a radio for
28	US 6009469	A	19991228	51	hands-free operation Graphic user interface for internet telephony application
29	US 6002946	Α	19991214	16	Handheld device having an optical data reader
30	US 5986609	A	19991116	14	Multiple frequency band antenna
31	US 5956398	A	19990921	7	Telephone switching mechanism
32	US 5928000	Α	19990727	13	Axially-compliant coaxial connectors and radiotelephones including the same
33	US 5923735	Α	19990713	19	Self-service checkout system utilizing portable self-checkout communications terminal
34	US 5918188	Α	19990629	7	Flip on/off detector

	Current OR	Current XRef
25	455/345	455/90
26	379/433.07	
27		455/569 ; 455/90 ; D13/110
28	709/227	
29	455/557	359/145 ; 359/146 ; 359/159 ; 379/428 ; 379/433 ; 379/433.1 ; 455/550 ; 455/556 ; 455/566
30	1343//11/	343/700MS ; 343/795
31	379/433.05	379/428 ; 379/433.13 ; 379/440 ; 455/575 ; 455/90
32	439/63	439/700
33		235/472.01 ; 379/110.01 ; 455/557
34	100,0,0	379/433 ; 379/433.06 ; 379/433.13 ; 455/90

	Document II	Issue Date	Pages	Title
35	US 5918180 A	19990629	31	Telephone operable global tracking system for vehicles
36	US 5884185 A	19990316	8	Cordless telephone having a call key capable of performing multiple functions and a method for assigning alternate functions to the call key and performing the
37	US 5884195 A	19990316	8	multiple functions for programming cellular telephones
38	US 5828343 A	19981027	13	Antenna connector device for a handheld mobile phone
39	US 5825864 A	19981020	10	Personal automatic registration system with call forwarding
40	US 5822427 A	19981013	29	Battery charging for a plurality of different cellular telephone
41	US 5809403 A	19980915	12	Coaxial cable assembly for a portable phone
42	US 5797088 A	19980818	7	Vehicular audio system incorporating detachable cellular telephone
43	US 5777586 A	19980707	40	Radiation shielding and range extending antenna assembly
44	US 5751804 A	19980512	5	Audio input for flip type telephones
45	US 5732135 A	19980324	20	Asymmetric hinged housing configuration
46	US 5666125 A	19970909	41	Radiation shielding and range extending antenna assembly

	Current OR	Current XRef
35		340/825.5 ; 340/988 ; 340/989 ; 340/992 ; 701/213 ; 701/215 ; 701/222
36	455/550	379/428 ; 379/433 ; 379/433.06 ; 379/433.07 ; 455/425 ; 455/575
37	455/572	455/551
38	343/702	343/906 ; 455/90
39	379/201.06	379/201.1 ; 379/211.02 ; 455/405
40	379/454	340/7.63 ; 379/446
41	455/90	379/433 ; 379/433.11 ; 379/433.13 ; 379/434 ; 455/550 ; 455/575
42	455/345	455/90
43	343/702	343/841 ; 455/90
44	379/433.13	379/433.03 ; 379/434
45	379/433.13	16/229 ; 16/331 ; 379/434
46	343/702	343/841 ; 455/422

	Document 1	ID	Issue Date	Pages	Title
47	US 5657386 2	A	19970812	5	Electromagnetic shield for cellular telephone
48	US 5568538 2	A	19961022	9	Voice message recorder for use with telephones
49	US 5564085 2	A	19961008	8	Cellular telephone RF radiation ameliorating device
50	US 5541609 /	A	19960730	9	Reduced operator emission exposure antennas for safer hand-held radios
					and cellular telephones
51	US 5535274	A	19960709	30	Universal connection for cellular telephone interface
52	US 5524284 .	A	19960604	12	Antenna adapter for portable cellular telephone
53	US 5185790 .	A	19930209	9	Multiposition detenting hinge apparatus
54	US 4930157	A	19900529	6	Telephone handset having apertures for key access
55	US 4675902	A	19870623	6	High performance telephone instrument with combination pulse and tone
					dialing capacity
56	US 4471493	A	19840911	5	Wireless telephone extension unit with self-contained dipole antenna
57	US 4272655	Α	19810609	14	Compact telephone set employing slidable actuated supervision switches
58	US 4251696	A	19810217	14	Compact telescoping telephone set

	Current OR	Current XRef
47	379/433.13	361/814 ; 361/818 ; 379/434 ; 379/437 ; 379/451
48	455/412	379/447 ; 379/449 ; 379/67.1 ; 379/88.28 ; 455/90
49	455/117	455/128 ; 455/550 ; 455/90
50		343/792 ; 343/901 ; 455/575 ; 455/90
51	379/446	379/426 ; 379/454 ; 379/455
52	455/90	343/702 ; 439/916 ; 455/129 ; 455/280 ; 455/349
53	379/433.13	16/321 ; 16/334
54	379/433.07	379/434 ; D14/150
55	379/394	379/387 ; 379/395.01
56	455/562	343/702 ; 455/128 ; 455/129 ; 455/351 ; 455/90 ; 455/97
57	379/424	200/61.72 ; 379/370 ; 379/433 ; 379/433.06 ; 379/433.12
58	379/370	381/180

	Document ID	Issue Date	Pages	Title
				Operation mode changing mechanism for communication device e.g. flip phone
59	WO 200069151 A1	20010402		cum personal digital assistant, has contacts on flip cover, to operate
				switch coupled to microprocessor to change device operation mode
				Cam follower arrangement for flip phone, contains fitting for preventing
60	SE 9801914 A	19991130		sides of piston catch from striking piston channel walls during opening
				or closing of flip cover, in order to eliminate clicking noise
				Mobile telephone apparatus with pivotable protective hatch or flip for
61	WO 9940706 A1	20010730		telephone arranged to physically cover parts of keypad for preventing
				inadvertent keypad commands being entered
				Flip phone switching mechanism e.g. for cellular, cordless telephone - has
62	US 5956398 A	19990921	7	plunger to open and close circuit as indication of position of flip
				portion of phone with plunger including electrical conductor which
				slidingly contacts

DBs Time Stamp Search Text Hits L# Type (CELLULAR OR WIRELESS OR 2001/07/17 USPAT 10762 BRS L2 1 MOBILE) AND PHONE 15:56 USPAT; US-PGP UB; 2001/07/17 (CELLULAR OR WIRELESS OR EPO; 2 BRS L3 17501 15:57 MOBILE) AND PHONE JPO; DERWEN USPAT; US-PGP UB; 2001/07/17 225114 BACKLIGHT\$4 OR LIGHT\$4 OR EPO; 3 BRS L415:59 ILLUMINA\$4 JPO; DERWEN Т USPAT; US-PGP UB; 2001/07/17 EPO; L5 670578 KEYPAD OR KEY PAD 4 BRS 16:00 JPO; DERWEN Т USPAT; US-PGP UB; 2001/07/17 EPO; 5 FLIP AND 5 BRS L6 20672 16:01 JPO; DERWEN Т USPAT; US-PGP UB; 2001/07/17 EPO; 6 BRS Ь7 8706 4 AND 6 16:15 JPO; DERWEN USPAT; US-PGP UB; 2001/07/17 EPO; 3 AND 7 7 BRS L8 210 17:17 JPO; DERWEN Т

	Туре	L #	Hits	Search Text	DBs	Time Stamp
8	BRS	L9 .	889223	POWER\$4	USPAT	2001/07/17 17:08
9	BRS	L10	179	I OWENTO NEITH ON		2001/07/17 17:09
10	BRS	L11	0	8 AND 10		2001/07/17 17:10
11	BRS	L12	684	SWITCH\$4 NEAR ON	USPAT; US-PGP UB; EPO; JPO; DERWEN	2001/07/17 17:10
12	BRS	L13	0	8 AND 12	USPAT; US-PGP UB; EPO; JPO; DERWEN T	2001/07/17 17:10
13	BRS	L14	109	FLIP NEAR PHONE	USPAT; US-PGP UB; EPO; JPO; DERWEN	2001/07/17 17:58
14	BRS	L15	64	6 AND 14	USPAT; US-PGP UB; EPO; JPO; DERWEN	2001/07/17 17:58

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BRS	BRS	BRS	BRS	Туре
L4	L ₃	12	L 1.	#
278526	2530	15120	16167	Hits
278526 BACKLIGHT\$4 OR ILLUMINAT\$4	KEYPAD AND (1 OR 2)	USPAT US-PG (WIRELESS OR CORDLESS) NEAR EPO; (PHONE OR TELEPHONE) DERWE	CELLULAR NEAR (PHONE OR TELEPHONE)	Search Text
USPAT; US-PGP UB; EPO; JPO; DERWEN T	USPAT; US-PGP UB; EPO; JPO; DERWEN T	2 71.	USPAT; US-PGP UB; EPO; JPO; DERWEN T	DBs
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1677	410	319	301765	Hits
(345/87).CCLS.	(345/102).CCLS.	(4 OR 5) AND 3	301765 LIGHT NEAR SOURCE	Search Text
USPAT; US-PGP UB; EPO; JPO; DERWEN T	USPAT; US-PGP UB; EPO; JPO; DERWEN T	USPAT; US-PGP UB; EPO; JPO; DERWEN T	USPAT; US-PGP UB; EPO; JPO; DERWEN	DBs
2001/07/17 11:07	2001/07/17	2001/07/17 11:07	2001/07/17 11:06	Time Stamp

	Туре	L#	Hits	Search Text	DBs
Q	BRS	Ц9	400	(345/169-170).CCLS.	USPAT; US-PGP UB; EPO; 2001/07/17 IPO; 11:28 DERWEN T
10	BRS	L10	1721	(341/22-23).CCLS.	USPAT; US-PGP UB; EPO; 2001/07/17 JPO; 11:28 DERWEN T
H	BRS	L111	202	(455/556).CCLS.	USPAT; US-PGP UB; EPO; 2001/07/17 JPO; 11:29 DERWEN T
12	BRS	L12	329 .	(455/566).CCLS.	USPAT; US-PGP UB; EPO; 2001/07/17 JPO; 11:29 DERWEN T

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BRS	BRS	BRS	BRS	Туре
L16	L15	L14	L13	L #
304	825	1471	209	Hits
(379/433).CCLS.	(455/403).CCLS.	(455/575).CCLS.	(455/553).CCLS.	Search Text
USPAT; US-PGP UB; EPO; JPO; DERWEN T	USPAT; US-PGP UB; EPO; JPO; DERWEN T	USPAT; US-PGP UB; EPO; JPO; DERWEN T	USPAT; US-PGP UB; EPO; JPO; JPO; DERWEN	DBs
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17	BRS	L17	213	(379/428).CCLS.	USPAT; US-PGP UB; EPO; JPO; DERWEN T	2001/07/17
18	BRS	L18	4299	7 OR 8 OR 9 OR 10 OR 11	USPAT; US-PGP US; EPO; JPO; DERWEN T	2001/07/17
19	BRS	L19	3087	12 OR 13 OR 14 OR 15 OR 16 OR 17	USPAT; US-PGP UB; EPO; JPO; DERWEN T	2001/07/17
20	BRS	L20	59	(18 OR 19) AND 6	USPAT; US-PGP UB; EPO; JPO; DERWEN T	2001/07/17

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	Document ID	Issue Date	Pages	Title	Current OR	Current XRef
1	US 6256519 B1	20010703	O	Cordless telephone with corded operability	455/572	455/462 ; 455/557 ; 455/575
2	US 6243595 B1	20010605	1 1	Portable wireless communication device having an extendible section	455/566	/575 55/9
ω	US 6243593 B1	20010605	61	Module for providing wireless call communication services through	455/553	455/414 ; 455/419 ; 455/426 ; 455/445
				egulpment		/550
4	US 6233467 B1	20010515	5	Mobile phone display	455/566	24445
S	US 6232937 B1	20010515	67	ower active display n	345/87	/100 45/9 45/9
0	US 6223052 B1	20010424	5	Radio telephone with removable memory modules and module prioritization	455/551	/575
7	US 6212408 B1	20010403	23	Voice command system and method	455/563	379/355 379/355.01 379/88.01 379/88.02 379/88.03 455/460 455/560 455/564 455/565 455/575
ρ	US 6205343 B1 2			Peak current reduction in a cordless telephone handset	55/574	/311 /5/56
1		T OTTOTO	TOT	Display apparatus 3	45/102	

	13	12	1 1	10	
	US	Sn			
	S 6125286 A	'S 6144358 A	US 6144848 A	US 6151510 A	Document ID
	20000926 1	20001107 8	20001107	20001121	Issue Date
	14		4 5	60	Pages
the same	Communication device having multiple displays and method of operating	Mutti-display electronic devices having open and closed configurations	Handheld remote computer control and methods for secured interactive real-time telecommunications	call communication services through wire-connected telephone equipment	Title
	455/566	345/102	455/419	455/553	Current OR
	379/433 ; 379/433.04 ; 455/90	/ / 1	235/379 ; 235/362.15 ; 235/462.15 ; 235/472.01 ; 340/5.91 ; 379/102.01 ; 379/106.01 ; 380/257 ; 380/270 ; 380/270 ; 380/287 ; 455/414 ; 455/414 ; 455/418 ; 455/414 ; 705/64 ; 705/64 ; 705/73 ; 713/150 ; 713/159	455/414 ; 455/419 ; 455/426 ; 455/445 ; 455/552	Current XRef

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		Document ID	Issue Date	Pages	Title	Current OR	Current XRef
	14	US 6122526 A	20000919	11	Cellular telephone and electronic camera system with programmable	455/556	725/105
	15	US 6107970 A	20000822	13	and Vice	343/702	343/895 ; 455/272 ; 455/575 ; 455/90
t.1	16	US 6094565 A	20000725	10	Closeable communication device and method of operating the same	455/90	/428 /428 /79/4 /79/4 /55/4: /55/5:
H	17	US 6073034 A	20000606	5 4	Wireless telephone display 4	155/566	345/102 ; 345/103 ; 379/428 ; 379/433 ; 379/433.04 ; 455/556 ; 455/557 ; 455/575
Р	18	US 6073033 A	20000606 1	14	Portable telephone with integrated heads-up display and data terminal	55/566 ;	48/14. 455/5 455/5
19		US 6073031 A 2	20000606 1	10 I	Desktop docking station for use with a wireless telephone 4 handset	55/557 ; ;	155/418 455/561 455/569 455/572 455/575
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	Document ID	Issue Date	Pages	Title	Current OR	Current XRef
26	US 5983073 A	19991109	19	Modular notebook and PDA computer systems for personal computing and	455/11.1	455/556 ; 455/557 ; 455/569
27	US 5977887 A	19991102	8	Data storage apparatus	341/26	341/23 ; 345/168 ; 700/84
28	US 5966671 A	19991012	<u> </u>	Radiotelephone having an auxiliary actuator and method for operating	455/575	O) :
29	US 5926119 A	19990720	5	Numeric keypad configuration	341/22	379/368
30	US 5900867 A	19990504	ω ω	Self identifying remote control device having a television receiver for	345/719	345/169 ; 348/734 ; 725/37 ; 725/59
	5898933 A	19990427	28	Apparatus and method for generating a control signal responsive to a	455/575	455/574 ; 455/90
32	US 5894298 A	19990413	9	Display apparatus	345/102	
ω	US 5890061 A	19990330 1	13	Vehicular emergency message system with call restriction defeating		455/321 ; 455/403 ; 455/414 · 455/521
34	US 5878353 A	19990302 9		Radio frequency communication device including a mirrored surface	455/550 4	/566

	pocument ID	issue Date	Pages	Title	Current OR	Current XRef
35	US 5870683 A	19990209	15	Mobile station having method and apparatus for displaying user-selectable	455/566	455/575
ω 6	US 5867772 A	19990202	10	Cellular telephone assembly and method for assembling a cellular	455/90	455/550 ; 455/575
37	US 5835863 A	19981110	11	Wireless telephone for cellular telephone system	455/567	455/566 ; 455/575
S	US 5815820 A	19980929	26	adjustable nsive to	455/575	43/702
				a movable antenna		
39	US 5815807 A	19980929	25	communication device adapted to prevent fraud	455/410	455/407 ; 455/550 ; 455/575
40	US 5815228 A	19980929	12	for liquid crystal	349/71	10 5/
41	US 5815126 A	19980929	75	Monocular portable communication and display system	345/8	345/7 ; 345/87
42	US 5805158 A	19980908	23	Copying predicted input between computer systems	345/764	345/169 ; 345/173 ; 345/811 ; 345/905 ; 707/507
43	US 5752195 A	19980512	22	Cordless telephone terminal 4	455/462	379/142 ; 379/142.06 ; 379/142.17 ; 455/415 ; 455/566

	5	issue Date	Pages	Title	Current OR	Current XRef
44	US 5729221 A	19980317	6	Keypad configuration	341/22	200/5A ; 341/34
45	US 5708840 A	19980113	62	Micro personal digital assistant	708/105	341/137 ; 345/169 ; 710/101
6	US 5708428 A	19980113	9	Method and apparatus for providing backlighting for keypads and LCD	341/22	200/314 ; 340/815.45 ; 379/368
				Hand-held portable computer having an electroluminescent flat-panel		/156
47	US 5634080 A	19970527	78	play at e of	710/73	; 361/686 ; 455/575 ; 709/253 ; 710/101
				and an excitation direction parallel to the plane of the display		
48	US 5606597 A	19970225	17	able	7 F F F F F F F F F F F F F F F F F F F	379/355 ; 379/355.05 ; 379/355.07
				retebrone		55/
						55/56 /426
49	US 5594782 A	19970114	מ	Ф		55/43 55/43
	0	•••••	••••	system	455/417	55/51
						55/
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C	N 66CTRCC CO	19961203	22 (Cordless telephone terminal	455/415	л Л /
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1		Document ID	Issue Date	Pages	Title	Current OR	Current XRef
51		US 5566224 A	19961015	9	Radio frequency communication device including a mirrored surface	455/566	359/839 ; 455/345 ; 455/347 ; 455/90
52	<u> </u>	US 5555550 A	19960910		Keypad apparatus with integral display indicators	455/566	/22 45/1 79/3
53	d	US 5247700 A	19930921		Cellular telephone with pager	455/552	/7.1 40/7 40/7 55/1 55/2 55/4
5 4	- a	US 5237607 A	19930817		Lighted telephone dial	379/419	/88 79/36 79/38 79/43:
55	us	S 5175759 A	19921229		Communications device with movable element control interface	455/569	7566 55/574 55/575 04/270
56	Sn	5103474 A	19920407	70 H	Drive-by personnel monitoring system with radio link	455/403	7 HD HD /:
57	US	5095503 A	19920310) h < 0	ntroller e	455/563	354
58	Sn	4982424 A	19910101	ш <u>т. п</u> .	Telephone having receive call indicating function and mute/light key	379/376.01 ;	396 5/56 5/56

ID Issue Date Pages	1 7	Title
4845772 A 19890704	Port	Portable radiotelephone with control switch disabling